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(12) **United States Patent**
Yamaguchi et al.

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(54) **MAGNETO-OPTICAL RECORDING MEDIUM AND RECORDING/REPRODUCING APPARATUS THEREFOR IN WHICH RECORDED MAGNETIC DOMAINS ARE TRANSFERRED FROM THE RECORDING LAYER TO THE REPRODUCING LAYER**

(58) Field of Search 369/13, 14, 110.01, 369/116, 44.26, 275.1, 44.27, 275.2, 275.3, 288, 283, 284, 286, 47.1, 47.15, 53.2, 59.1; 360/59, 114; 428/694 ML

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(57) **ABSTRACT**

A magneto-optical recording medium which includes a reproducing layer. When a laser beam is irradiated to the magneto-optical recording medium, a magnetic domain in a recording layer is transferred, through enlargement, to a reproducing layer increased in temperature. The magneto-optical recording medium further includes a calibration area that has a calibration magnetic domain recorded in a pre-determined pattern in the recording layer. In a reproducing apparatus, a laser beam of an optical head is adjusted in output depending upon a reproduced signal obtained by reproducing the calibration magnetic domain.

12 Claims, 10 Drawing Sheets

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